

SITE LAYOUT PLAN

GENERAL GUIDELINES FOR MAINTAINING THE RECHARGE STRUCTURES
 THE PROPOSED RECHARGE STRUCTURES DO NOT REQUIRE DAY TO DAY MAINTENANCE.
 HOWEVER PERIODIC CLEANING OF FILTER MEDIA IS SUGGESTED THAT BEFORE THE MESSON/ENTIRE SAND MAY BE REMOVED WASHED SCREENED AND REFILLED SO THAT PROPER RECHARGE CONTINUES. PERIODICALLY SCRAPING OF EXPOSED Silt ON TOP OF SAND LAYER IS ALSO SUGGESTED. IF REQUIRED AFTER FIVE FROM THE INJECTION WELL MAY BE RECHARGED USING THE TRAY ANY Silt WHICH MAY HAVE FINE SILT MAY INCREASE THE ASSEMBLY MAY BE REMOVED.

1. THE PERIODIC REMOVAL OF THE MATERIAL DEPOSITED ON THE SURFACE, BY SCRAPING THE Silt ACCUMULATED ON TOP OF THE FILTER BED REGULARLY.
2. HIGHLY TURBID WATER SHOULD BE PREVENTED FROM ENTERING INTO THE RECHARGE STRUCTURES.
3. PRECAUTION SHOULD BE TAKEN TO AVOID DOMESTIC WASTE WATER ENTERING IN TO THE RECHARGE STRUCTURES.
4. RECHARGE TUBE WELL SHALL BE DEVELOPED PERIODICALLY BY HAND BALLERS TO AVOID CLOSING OF THE SLOTS.
5. BEFORE THE ARRIVAL OF MONSOON, THE ROOF TOP AS DRAINS HAVE TO PROPERLY CLEANED.
6. USAGE OF CHEMICALS AND PESTICIDES IN THE ROOF SHOULD BE AVOIDED.
7. PLACEMENT OF THE SLOTTED PIPE SHALL BE FINALIZED AFTER DRILLING OF RECHARGE SORE WELLS.
8. RECHARGE WATER SHOULD BE INTRODUCED INTO THE STRUCTURE AT ITS LOWEST POINT TO PREVENT EROSION AND DISTURBANCE OF FILTER MATERIAL.
9. CATCH BASIN MAY BE CONSTRUCTED IMMEDIATELY BEFORE THE RECHARGE STRUCTURE TO AVOID HIGHLY TURBID WATER ENTERING INTO THE RECHARGE STRUCTURES.
10. A WIRE MESH SHALL BE PLACED AT THE ENTRANCE OF RECHARGE STRUCTURES.
11. AWAY FROM THESE LOW HEIGHT USUALLY OF 2-3 METERS WALLS MAY BE CONSTRUCTED IN THE STORM WATER DRAIN AS Silt TRAPS WHICH REMOVE THE Silt FROM THE STORM WATER.
12. PERIODIC CLEANING OF STORM WATER DRAINS SHALL BE CARRIED OUT TO REMOVE THE PLASTIC BAGS/LEAVES ETC WHICH BLOCKS THE ENTRANCE OF RECHARGE STRUCTURES.

SHEET No- 4117
 प्रस्तावित शोध - 10-1/17 पर 30/08/2016
 प्रस्तावित शोध का अंतिम चयन किया गया है।

भारत मानचित्र उत्तर प्रदेश नगर योजना और विकास अधिनियम 1973 की धारा 15 के अन्तर्गत इस प्रस्तावित शोधित स्वीकृत किया जाता है, कि विकास प्राधिकरण भूमि विषयक स्थानित के लिये विहित शाय नही है।



CALCULATION FOR RAIN WATER HARVESTING INFILTRATION SYSTEM

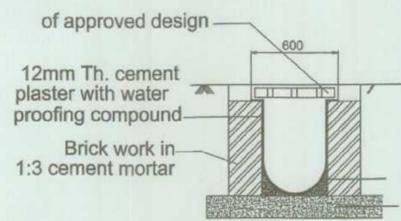
1. TOTAL AREA OF THE PLOT = 5,200.00 SQ.M
2. TOTAL AREA OF THE ROOF TOP = 1,811.700 SQ.M

FOR ROOF TOP ONLY

- (A) AVERAGE RUNOFF CO-EFFICIENT = 0.80
- (B) ONE HOUR INTENSITY OF RAIN FALL CONSIDERED (PFA) = 90mm / Hour
- (C) INFILTRATION WELL CAPACITY DESIGN PERIOD = 15 minutes
- (D) NET RUNOFF FOR WHICH HOLDINGS REQUIRED FOR INFILTRATION = 90mm/hr 50% Storm/Design

TOTAL AREA OF THE ROOF TOP = 1,811.700 SQ.M
 THEORETICAL VOLUME OF INFILTRATION WELL REQUIRED APPROXIMATELY 90.05 Cubic mtr.
 TOTAL NO. OF INFILTRATION WELL = 02
 SIZE OF INFILTRATION WELL = 0.3 X 3 X 3

NOTE:
 1. PERFORATED PIPE SHALL NOT BE USED UNDER THE CLAY SOIL BENEATH THE EARTH
 2. 01 NO. OF PROVIDING PERIMETER



Slope for 450 wide 1:350
 TYP. CROSS SECTION THROUGH DRAIN

LEGEND

1. WATER SUPPLY LINE	---
2. SEWER LINE	---
3. STORM WATER DRAIN	---



KEY-LAYOUT PLAN

SUBMISSION DRAWING

WATER SUPPLY, DRAINAGE AND SEWERAGE LAYOUT PLAN

DEVELOPMENTS CONSULTANT
 ARCHITECTS ENGINEERS & PLANNERS
 209-C MASJID MOTH
 (OPP. R BLOCK SOUTH EX-II NEW DELHI-49)
 PHONE: 26254880, 26254881

PROPOSED GROUP HOUSING
 FOR PURVANCHAL CONSTRUCTION WORKS PVT. LTD.
 AT PLOT NO.-GH-02, VINAMRA KHAND
 GOMTI NAGAR, LUCKNOW

SCALE: 1:300 DATE: 09-08-2016

A. PATWAL
 a.L.L.C. CA/88/11792
 209-C, Masjid M, New Delhi

For Purvanchal Construction Works Pvt. Ltd.
 Authorised Signatory